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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Corvera et al.  
Serial No. : 10/634,679  
Filed : August 4, 2003  
Title : LIPID BINDING MOLECULES AND METHODS OF USE

Art Unit : 1614  
Examiner : Unknown

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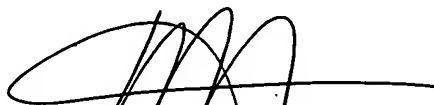
INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449. References A3 and C6 were cited in a communication from a foreign patent office in a counterpart application (copy enclosed).

This statement is being filed before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 07917-171001.

Respectfully submitted,

Date: 7-2-2004

  
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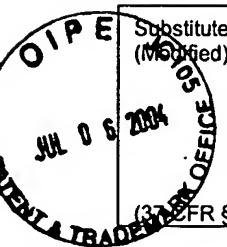
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07917-171001	Application No. 10/634,679
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Corvera <i>et al.</i>	
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### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1	6,221,841	Apr. 24, 2001	Czech <i>et al.</i>			
	A2	US 2002/0028477 A1	Mar. 7, 2002	Goueli <i>et al.</i>			5/31/2001
	A3	6,596,499	Jul. 22, 2003	Jalink			

### Foreign Patent Documents or Published Foreign Patent Applications

Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
						Yes	No
B1							

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	C1	Burd and Emr, "Phosphatidylinositol(3)-phosphate signaling mediated by specific binding to RING FYVE domains," <i>Mol. Cell.</i> 2(1):157-62 (1998)
	C2	Cheever <i>et al.</i> , "Phox domain interaction with PtdIns(3)P targets the Vam7 t-SNARE to vacuole membranes," <i>Nat. Cell. Biol.</i> 3(7):613-8 (2001)
	C3	Christoforidis <i>et al.</i> , "The Rab5 effector EEA1 is a core component of endosome docking," <i>Nature</i> 397(6720):621-5 (1999)
	C4	Colombo <i>et al.</i> , "Calmodulin regulates endosome fusion," <i>J. Biol. Chem.</i> 272(12):7707-12 (1997)
	C5	Dumas <i>et al.</i> , "Multivalent endosome targeting by homodimeric EEA1," <i>Mol Cell</i> 8(5):947-58 (2001)
	C6	Ellson <i>et al.</i> , "Phosphatidylinositol 3-phosphate is generated in phagosomal membranes," <i>Curr. Biol.</i> 11(20):1631-5 (2001)
	C7	Ellson <i>et al.</i> , "PtdIns(3)P regulates the neutrophil oxidase complex by binding to the PX domain of p40(phox)," <i>Nat. Cell. Biol.</i> 3(7):679-82 (2001)
	C8	Fratti <i>et al.</i> , "Role of phosphatidylinositol 3-kinase and Rab5 effectors in phagosomal biogenesis and mycobacterial phagosome maturation arrest," <i>J. Cell Biology</i> 154(3):631-644 (2001)
	C9	Gaullier <i>et al.</i> , "FYVE fingers bind PtdIns(3)P," <i>Nature</i> 394(6692):432-3 (1998)
	C10	Gillooly <i>et al.</i> , "Cellular functions of phosphatidylinositol 3-phosphate and FYVE domain proteins," <i>Biochem. J.</i> 355(2):249-258 (2001)
	C11	Gillooly <i>et al.</i> , "Localization of phosphatidylinositol 3-phosphate in yeast and mammalian cells," <i>EMBO J.</i> 19(17):4577-4588 (2000)
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	C13	Goldmann <i>et al.</i> , "Motility of Vinculin-Deficient F9 Embryonic Carcinoma Cells Analyzed by Video, Laser Confocal, and Reflection Interference Contrast Microscopy," <i>Experimental Cell Research</i> 221:311-319 (1995)

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	C14	Gorvel <i>et al.</i> , "rab5 controls early endosome fusion in vitro," <i>Cell</i> <u>64</u> (5):915-25 (1991)
	C15	Kanai <i>et al.</i> , "The PX domains of p47phox and p40phox bind to lipid products of PI(3)K," <i>Nat. Cell Biol.</i> <u>3</u> (7):675-8 (2001)
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	C18	Mills <i>et al.</i> , "Involvement of the endosomal autoantigen EEA1 in homotypic fusion of early endosomes," <i>Curr. Biol.</i> <u>8</u> (15):881-884 (1998)
	C19	Mills <i>et al.</i> , "Regulation of endosome fusion," <i>Mol. Memb. Biol.</i> <u>16</u> (1):73-9 (1999)
	C20	Mills <i>et al.</i> , "Relationships between EEA1 binding partners and their role in endosome fusion," <i>J. Cell. Sci.</i> <u>114</u> (10):1959-65 (2001)
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	C22	Obaishi <i>et al.</i> , "Frabin, a novel FGD1-related actin filament-binding protein capable of changing cell shape and activating c-Jun N-terminal kinase," <i>J. Biol. Chem.</i> <u>273</u> (30):18697-18700 (1998)
	C23	Otto <i>et al.</i> , "The p150-Spir protein provides a link between c-Jun N-terminal kinase function and actin reorganization," <i>Curr. Biol.</i> <u>10</u> (6):345-348 (2000)
	C24	Patki <i>et al.</i> , "A functional PtdIns(3)P-binding motif," <i>Nature</i> <u>394</u> (6692):433-434 (1998)
	C25	Patki <i>et al.</i> , "Identification of an early endosomal protein regulated by phosphatidylinositol 3-kinase," <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>94</u> :7326-7330 (1997)
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	C27	Schumacher <i>et al.</i> , "Structure of the gating domain of a Ca <sup>2+</sup> -activated K <sup>+</sup> channel complexed with Ca <sup>2+</sup> /calmodulin," <i>Nature</i> <u>410</u> (6832):1120-4 (2001)
	C28	Shpetner <i>et al.</i> , "Potential sites of PI-3 kinase function in the endocytic pathway revealed by the PI-3 kinase inhibitor, wortmannin," <i>J. Cell. Biol.</i> <u>132</u> (4):595-605 (1996)
	C29	Shisheva <i>et al.</i> , "Cloning, characterization, and expression of a novel Zn <sup>2+</sup> -binding FYVE finger-containing phosphoinositide kinase in insulin-sensitive cells," <i>Mol. Cell. Biol.</i> <u>19</u> (1):623-634 (1999)
	C30	Siddhanta, <i>et al.</i> , "Distinct roles for the p110alpha and hVPS34 phosphatidylinositol 3'-kinases in vesicular trafficking, regulation of the actin cytoskeleton, and mitogenesis," <i>J. Cell. Biol.</i> <u>143</u> (6):1647-59 (1998)
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	C32	Simonsen <i>et al.</i> , "EEA1 links PI(3)K function to Rab5 regulation of endosome fusion," <i>Nature</i> <u>394</u> (6692):494-498 (1998)
	C33	Song <i>et al.</i> , "Phox homology domains specifically bind phosphatidylinositol phosphates," <i>Biochemistry</i> <u>40</u> (30):8940-44 (2001)
	C34	Stenmark <i>et al.</i> , "Endosomal localization of the autoantigen EEA1 is mediated by a zinc-binding FYVE finger," <i>J. Biol. Chem.</i> , <u>271</u> (39):24048-24054 (1996)
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	C35	Tsukazaki <i>et al.</i> , "SARA, a FYVE domain protein that recruits Smad2 to the TGFbeta receptor," <i>Cell</i> <u>95</u> (6):779-791 (1998)
	C36	Virbasius <i>et al.</i> , "Activation of the Akt-related cytokine-independent survival kinase requires interaction of its phox domain with endosomal phosphatidylinositol 3-phosphate," <i>Proc. Natl. Acad. Sci. USA</i> <u>98</u> (23):12908-13 (2001)
	C37	Virbasius <i>et al.</i> , "Mouse p170 is a novel phosphatidylinositol 3-kinase containing a C2 domain," <i>J. Biol. Chem.</i> <u>271</u> (23):13304-7 (1996)
	C38	Wiedemann and Cockcroft, "Sticky fingers grab a lipid," <i>Nature</i> <u>394</u> (6692):426-427 (1998)
	C39	Xu <i>et al.</i> , "SNX3 regulates endosomal function through its PX-domain-mediated interaction with PtdIns(3)P," <i>Nat. Cell. Biol.</i> <u>3</u> (7):658-66 (2001)
	C40	Yu and Lemmon, "All phox homology (PX) domains from <i>Saccharomyces cerevisiae</i> specifically recognize phosphatidylinositol 3-phosphate," <i>J. Biol. Chem.</i> <u>276</u> (47):44179-84 (2001)
	C41	Zhao <i>et al.</i> , "FYVE-DSP1, a dual-specificity protein phosphatase containing an FYVE domain," <i>Biochem. Biophys. Res. Commun.</i> <u>270</u> (1):222-229 (2000)
	C42	Zheng <i>et al.</i> , "The faciogenital dysplasia gene product FGD1 functions as a Cdc42Hs-specific guanine-nucleotide exchange factor," <i>J. Biol. Chem.</i> <u>271</u> (52):33169-33172 (1996)

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